

# **[DUPLEX AWARE ADAPTIVE PLAYOUT METHOD AND COMMUNICATIONS DEVICE]**

## **Abstract of Disclosure**

A duplex aware adaptive playout method includes detecting a packet communication mode as either a full-duplex mode or a half-duplex mode, calculating a playout delay for a current packet based on the detected packet communication mode, and delaying playout of the current packet by the calculated playout delay. When the packet communication mode is detected to be the half-duplex mode, the calculated playout delay for the current packet is set longer than when the packet communication mode is detected to be the full-duplex mode. A duplex aware adaptive communications device includes a playout buffer, a playout controller, a network delay estimator, and an active detector that detects a packet communication mode. The playout controller determines playout delays of packets in the playout buffer from estimated network delays and a detected packet communication mode being a full-duplex mode or a half-duplex mode.

## Figures